

**AMENDMENT UNDER 37 C.F.R. 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 2616  
PATENT**

**Application # 10/092,924  
Attorney Docket # 112815CON-1 (1014-154)**

**AMENDMENTS**

**AMENDMENTS TO THE CLAIMS**

1. - 11. (Cancelled)

12. (Previously Presented) A telecommunications interface for communicating subscriber data including voice data, signaling data, and user data between a digital network, a digital loop carrier having an analog interface to connect telephones and a digital circuit connecting a telephone switch to other telephone switches, and a subscriber link to subscriber premises equipment (SPE), said interface comprising:

a controller;

a modem that modulates and demodulates the subscriber data to and from the subscriber link to generate a digital stream including the voice data, signaling data and user data;

a digital filter that separates the voice data from the digital stream,

said controller applying the voice data to the digital circuit when the signaling data indicates the voice data is to be transmitted by the digital circuit, and

said controller applying the voice data to the digital network when the signaling data indicates the voice data is to be transmitted over the digital network; and

a DTMF generator;

said interface being connected to a switched network requiring the transmission of DTMF tones for calls to be routed through the switched network, and

said DTMF generator generating DTMF tones in response to said signaling data indicated that the call is to be transmitted through the switched network.

13. (Previously Presented) A telecommunications interface for communicating subscriber data including voice data, signaling data, and user data between a digital network, a digital loop carrier having an analog interface to connect telephones and a digital circuit connecting a

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telephone switch to other telephone switches, and a subscriber link to subscriber premises equipment (SPE), said interface comprising:

a controller; and

a modem that modulates and demodulates the subscriber data to and from the subscriber link to generate a digital stream including the voice data, signaling data and user data;

a digital filter that separates the voice data from the digital stream,

wherein said controller applying the voice data to the digital circuit when the signaling data indicates the voice data is to be transmitted by the digital circuit,

wherein said controller applying the voice data to the digital network when the signaling data indicates the voice data is to be transmitted over the digital network, and

wherein said controller communicates with a network controller of the digital network and generates a message to the network controller requesting reallocation of resources of the digital network in response to an end of transmission of the voice data.

14. (Previously Presented) An interface as in claim 13, wherein the message is a request for increased bandwidth at a priority lower than a priority assigned for a voice circuit of the digital network.

15. - 16. (Cancelled)

17. (Currently Amended) An interface as in claim 16, A central office interface between a multiple access link to a subscriber premises and a local exchange carrier network:

digital loop carrier circuitry with a digital interface to permit access to a digital backplane of the digital loop carrier circuitry; and

a controller with at least one modulator/demodulator applies data corresponding to multiple voice call sessions from said link to the digital interface, and applies data corresponding to the multiple voice call sessions from said digital interface to the link;

the multiple access link being established over a single twisted pair metallic interface.

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wherein said controller is configured to add a new call session to the multiple voice call sessions in response to signaling data received through the digital interface;  
and

wherein the new call session corresponds to the same called number as at least another call of the multiple voice call sessions, whereby multiple call sessions to a same called number are enabled.

18. - 33. (Cancelled)